

The Indiana University Student Organization for Cognitive Science

and

the Indiana University Cognitive Science Program

are pleased to present

The Midwest Undergraduate Cognitive Science Conference (MUCSC)

April 4-5, 2009

Indiana University Bloomington

Douglas Hofstadter, College of Arts and Sciences Distinguished Professor of Cognitive Science, and Director of the Center for Research on Concepts and Cognition, will deliver the keynote address,

AI Claims versus Cog-Sci Aims

Saturday, April 4, at 4:00 p.m., Psychology Rm. 100

On Saturday and Sunday, beginning at 1:00 p.m., undergraduate students from across the Midwest will present papers about their research in the Psychology Building room 101 (East 10th Street).

Rob Goldstone, Chancellor's Professor of Psychology and Brain Sciences, Director of Indiana University's Cognitive Science Program, and Director of the Percepts and Concepts Laboratory, will open Saturday afternoon's session by engaging conference participants in a social cognition demonstration.

A poster session is scheduled for Saturday, April 4, at 6:00 p.m., on the main floor of the Psychology Building.

On Sunday morning, from 9:00 a.m. to 12:00 noon, Indiana University's researchers will present an Open House tour of their labs and demonstrations.

Following the Sunday afternoon talks, select graduate students will present a panel discussion aimed at undergraduate students who plan to pursue graduate studies.

Please see below the abstract for the keynote address, the titles of the presentations, and the list of research centers and laboratories participating in the "Open House" tour. All conference events are open to the public. Coffee and snacks will be provided.

We hope to see you this weekend at as many events as possible.

Sincerely,

Nicole Beckage

Jaimie Murdock

Jordan Thevenow-Harrison

MUCSC Co-chairs

cogsconf@indiana.edu / <http://www.mucsc.info>

The Midwest Undergraduate Cognitive Science Conference (MUCSC)

Conference Schedule

Google Calendar:

http://www.google.com/calendar/embed?src=531t6ma2saohvc7egkuji4o6ic%40group.calendar.google.com&ctz=America/New_York

Saturday, April 4, 2009

- 1:00 p.m. – 3:45 p.m. Presentations (please see speakers and titles below) Psychology 101
- 4:00 p.m. – 5:30 p.m. Keynote Address by Professor Douglas Hofstadter, Psychology 100
- 6:00 p.m. – 7:00 p.m. Poster Session

Sunday, April 5, 2009

- 9:00 a.m. – 12:00 noon Cognitive Science Open House
- 1:00 p.m. – 3:45 p.m. Presentations (please see speakers and titles below)
- 4:00 p.m. – 5:00 p.m. Graduate School Panel Discussion

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Keynote Address

Saturday, April 4, 2009, at 4:00 p.m., Psychology Rm. 100

AI Claims versus Cog-Sci Aims

Douglas Hofstadter
Center for Research on Concepts and Cognition
Indiana University

AI started out in the late 1940's as a profound scientific endeavor -- to create thinking machines. Over its several decades of existence, however, it has metamorphosed (and perhaps predictably so, had there been a sufficiently foresightful predictor, back in those early days) into a random hodge-podge of military, industrial, and technological goals. From initially being a serious and humble effort to lay bare the human mind's complex and subtle secrets, AI has rapidly degraded into an largely amoral dog-eat-dog fight for funding in which loud and preposterous claims of sudden giant revolutionary steps forward compete against realistic descriptions of modest and gradual progress consisting of small insights -- and guess which type of self-description tends to bring home the bacon in this deplorable tooth-and-nail battle for money?

In my talk, I will talk about some of the louder voices in this bizarrely ruleless bazaar, and will briefly describe some of the projects that, though they may have grabbed great attention, have delivered essentially nothing of use, and I will also talk about some projects that have delivered some perhaps useful or interesting technology but that have nothing to do with understanding the human mind, and that perhaps never claimed to. Finally I will talk about the goals of cognitive science and of cognitive scientists, and I will speculate about where we are going, and whether we really want to get there or not.

Speakers - Saturday Afternoon

Saturday, April 4, 2009, at 1:00 p.m., in Psychology Room 101

Pixel

Michael Hansen – Indiana University

The Effect of Causal Ambiguity on Exploratory Play

Christopher Perry – University of Cincinnati

Learning Adjectives, Categories, and Nouns via Cross-Situational Statistics

Tarun Gangwani, George Kachergis – Indiana University

Tracking Eye Movements While Judging the Romantic Interest of Others

Jennifer Long – Indiana University

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Speakers - Sunday Afternoon

Sunday, April 5, 2009, at 1:00 p.m., in Psychology Room 101

My Personal Encounters with Neuroplasticity

L.Cpl. Aaron Rincon, USMC – Indiana University

Surfing the Web of Memory: Evaluating Process Models of Semantic Fluency

R'nd Wheeler – Indiana University

Active vs. Passive Category Learning and Generalization

Elizabeth Morrone – Indiana University

Modeling the Impact of Lesions in the Human Brain

Jeff Alstott - Indiana University

Theory of Mind

Evan Galup – Indiana University

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Poster Session

Saturday, April 4, 2009, at 6:00 p.m., in the Psychology Building, Main Floor

LOav: Evidence for high-level processing across sensory modalities within the lateral occipital complex

Ross VanDerKlok – Indiana University

Teaching and Learning Relational Structures

Benjamin Gerstle – University of Louisville

The Effect of Desirability and Past Accuracy on Source Credibility Judgments

Kristin Bryant – Illinois Institute of Technology

Gender Differences in Worry Severity on Multiple Life Domains

Daniel Bassman – University of Cincinnati

Intermittent Vision Restores the Speed-Accuracy Tradeoff During Memory-Guided Tracking

Josh Chin – Southern Illinois University

Investigating the Speed-Accuracy Tradeoff during Visually- and Memory-Guided Tracking

Eric Greenlee – Southern Illinois University

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Grad School Panel Discussion

Sunday, April 5, 2009, at 4:00 p.m., in Psychology Room 101

Skyler Place, Jennifer Trueblood, Carlos Zednik

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Cognitive Science Open House

Sunday, April 5, 2009, from 9:00 a.m. to 12:00 noon

Further details to be announced at <http://www.mucsc.info> on Thursday afternoon.

Programs and affiliated researchers include:

Dr. Randall Beer

<http://mypage.iu.edu/~rdbeer/>

Dr. John Beggs

<http://www.indiana.edu/~iubphys/research/faculty/Beggs.shtml>

<http://biocomplexity.indiana.edu/research/info/beggs.php>

Dr. Tom Busey

<http://cognitn.psych.indiana.edu/busey/HomePage/>

The Vision Lab

Dr. Jason Gold

<http://www.iuvisionlab.org/vislab/home.html>

Percepts and Concepts Laboratory

Dr. Robert Goldstone

<http://cognitn.psych.indiana.edu/index.html>

Center for Research on Concepts and Cognition

Dr. Douglas Hofstadter

<http://www.cogsci.indiana.edu/>

Cognitive Neuroimaging lab

Dr. Sharlene Newman

<http://www.indiana.edu/~cnilab>

Music Plus One

Dr. Chris Raphael

http://xavier.informatics.indiana.edu/~craphael/music_plus_one/

Human Robot Interaction Laboratory

Dr. Mathias Scheutz

<http://hri.cogs.indiana.edu/>